

Title: FTIV Location and Diagnostic update

Applicability: Revero GT and GTS, GS-6 vehicles

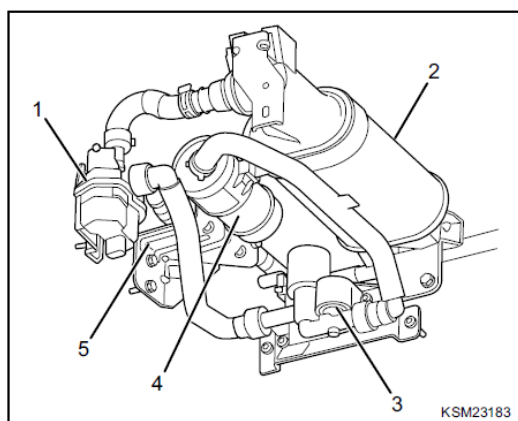
Market Region: All

PRIORITY: On Complaint

PURPOSE: To illustrate and inform service technician of improved diagnostic information in regards to fuel tank isolation valve location and identification.

On complaint of relative Fuel tank isolation valve ("FTIV") diagnostic trouble codes presented, this guide should aid you the technician to better identify which component is to be replaced.

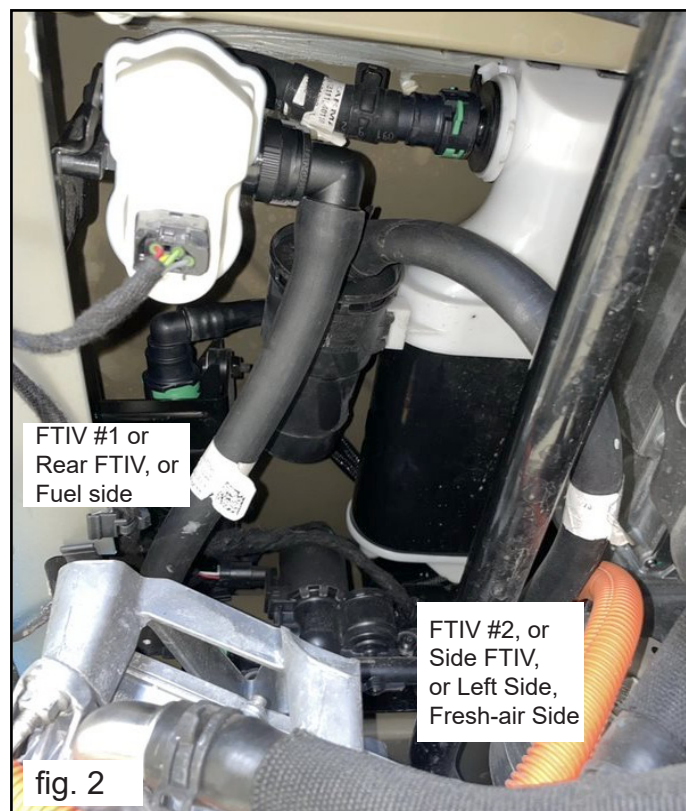
The Revero GT and GTS, and the GS-6 model and variants (L,S) all share the same fuel system. There are two (2) Fuel tank isolation valves. Identification is provided by the DTC itself and location is specific to each. In the image below (fig. 1, and fig. 2) the side FTIV is considered #2 and the Rear mounted FTIV is #1.



Legend:

- 1) Tank Leakage Sensor
- 2) EVAP Canister
- 3) Side Fuel Tank Isolation Valve (FTIV)
- 4) EVAP Air Filter
- 5) Rear Fuel Tank Isolation Valve (FTIV)

fig. 1



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The following table has the relative DTCs for each FTIV.

You will notice the originating ECU will determine the FTIV affected. (see fig. 2a)

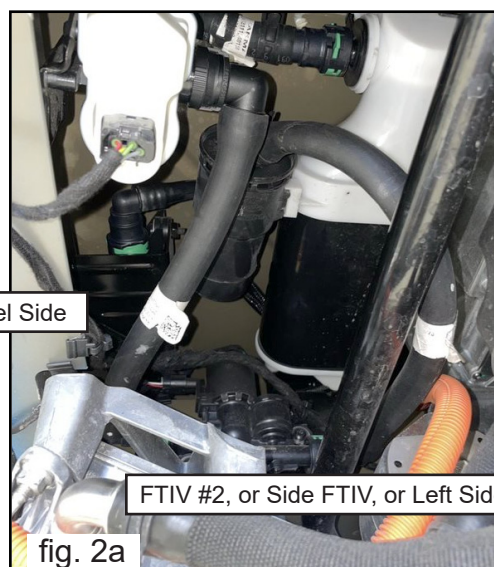
FTIV #1 the Rear mounted FTIV

DTC	Description	ECU
P0000	No MIL	ECM
P2420	EVAP System Switching Valve Control Circuit High	ECM
P2419	EVAP System Switching Valve Control Circuit Low	ECM
P2418	EVAP System Switching Valve Control Circuit/Open	ECM
P1421	EVAP System Switching Valve Leak	ECM
P2450	EVAP System Switching Valve Performance/Stuck Open	ECM
P2451	EVAP System Switching Valve Stuck Closed	ECM

FTIV #2 the Side mounted FTIV

DTC	Description	ECU
P0449	EVAP System Vent Valve Control Circuit/Open	HCU
P0498	EVAP System Vent Valve Control Circuit Low	HCU
P0499	EVAP System Vent Valve Control Circuit High	HCU
P2421	EVAP System Vent Valve Stuck Open	HCU
P2422	EVAP System Vent Valve Stuck Closed	HCU

FTIV #1 or Rear FTIV, or Fuel Side



FTIV #2, or Side FTIV, or Left Side, Fresh-air Side

fig. 2a

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